

Title (en)
CONTACT ARRANGEMENT AND METHOD FOR ASSEMBLING A FUEL CELL STACK FROM AT LEAST ONE CONTACT ARRANGEMENT

Title (de)
KONTAKTANORDNUNG UND VERFAHREN ZUM FÜGEN EINES BRENNSTOFFZELLENSTAPELS AUS ZUMINDEST EINER KONTAKTANORDNUNG

Title (fr)
SYSTÈME DE MISE EN CONTACT ET PROCÉDÉ D'ASSEMBLAGE D'UN EMPILEMENT DE CELLULES ÉLECTROCHIMIQUES CONSTITUÉ D'AU MOINS UN SYSTÈME DE MISE EN CONTACT

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Abstract (en)
[origin: WO2008119310A2] The invention relates to a contact arrangement for a fuel cell stack, especially for an SOFC fuel cell stack, comprising an interconnector arrangement (10) which is arranged to establish an electrically conducting connection via at least one contact element (28, 32) on the anode side and at least one such element on the cathode side between an anode (12) of a first membrane electrode assembly (52) and a cathode (16) of a second membrane electrode assembly (52). The invention is characterized in that at least one component to be sintered is provided on only one side of the interconnector arrangement (10), on the side of the interconnector arrangement (10) facing the anode (12) or the one facing the cathode (16), the component being coupled to the first or second membrane electrode assembly (52) in such a manner that the electrically conducting connection can be established via the contact element (28, 32) on the anode side or via that on the cathode side by sintering the component (20) to be sintered. The invention also relates to a method for assembling a fuel cell stack from at least one such contact arrangement. The invention further relates to a fuel cell stack, especially an SOFC fuel cell stack, comprising said contact arrangement, the fuel cell stack preferably being assembled according to the aforementioned method.

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Citation (search report)
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